

Cell line designation: IPLB-DU182A

Tissue source: *Diabrotica undecimpunctata* embryos

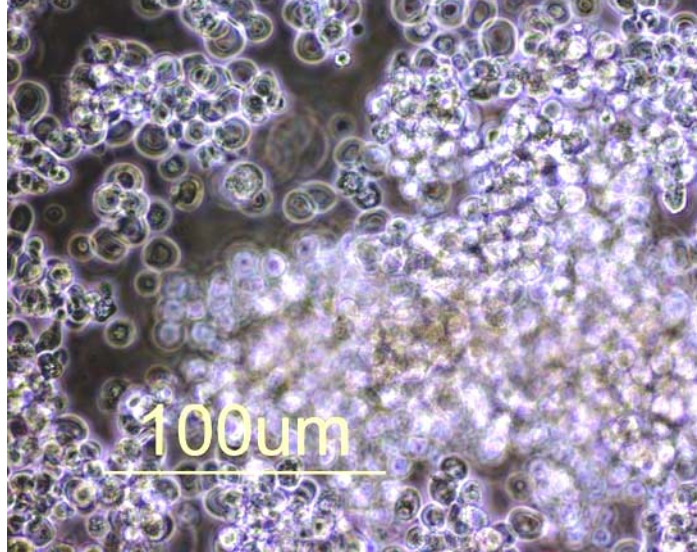
Date initiated: January 29, 1982

Morphology: Mostly suspended, round cell in aggregates.

Karyology: 65% diploid at 4th passage

Culture medium: ExCell 420 (JRH Biosciences)

Subculture procedure: When maintained at 26-28°C, cells in a 1-week-old culture are suspended evenly in the culture medium by drawing in and expelling medium a few times from a 5-ml pipet. Transfer 0.3 ml of culture into 3.7 ml fresh medium in a new 25-cm² tissue culture flask (e.g. ~1:12 split ratio).



Comments: This line was originally initiated in a low Ca⁺⁺ 3:1 mixture of Goodwin's IPL-52B and IPL-76 media and grew as firmly attached fibroblastoid cells requiring trypsinization in the original medium. Adaptation to the serum-free formulation resulted in a change to the current, unattached, rounded cell morphology.

Because they are currently used only occasionally in the IBL, the current distribution strain of these cells have been maintained for several years at 17°C. At this lower temperature, the cultures only need to be split once per month (at ~1:20 split) but readily adjust back to the warmer temperatures.

Reference: Lynn, D. E. and A. Stoppleworth (1984) In Vitro 20: 365-368.